

*DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS
HOWARD COUNTY MARYLAND*

**WATER SHALL NOT BE PLACED INTO THE POOL UNTIL A FINAL
BUILDING INSPECTION IS APPROVED**

*THE FINAL INSPECTION WILL NOT BE APPROVED UNTIL ALL
REQUIRED SWIMMING POOL SAFETY DEVICES ARE INSTALLED AND
FULLY OPERATIONAL*

All Swimming Pools are required to have an Electrical Permit by a Licensed Electrician

Gas Fired Pool Heaters

☐ NO ☐ YES - **Plumbing Permit required by a Licensed Plumber / Gas Fitter**

DECLARATION OF INTENT TO INSTALL SWIMMING POOL SAFETY DEVICES

Date _____ Building Permit # _____ Address _____

The undersigned, being the owner(s) of the above referenced property, hereby accept(s) the responsibility for the installation of an approved fence and safety devices required by Section AG105 of the 2006 Edition of the International Residential Code. **I (We) agree that the approved minimum 48" high fence and approved safety devices shall be installed prior to the placement of any water in the pool** and that fences shall comply with the setback requirements of the Department of Planning and Zoning.

Owner(s)

Address

Witness

Address

Please call the Plan Review Division (Department of Inspections, Licenses and Permits) at 410-313-2436 for information regarding the fence design or safety devices. For information regarding fence setback requirements, please call the Zoning Administration (Department of Planning and Zoning) at 410-313-2393. Copy of Section AG105 is on reverse side for your information.

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Copies -
white: file

yellow: inspector

pink: applicant

2006 INTERNATIONAL RESIDENTIAL CODE

APPENDIX G, SECTION AGG105

BARRIER REQUIREMENTS

-ENCLOSURES FOR PRIVATE SWIMMING POOLS-

SECTION AG105 BARRIER REQUIREMENTS

AG105.1 Application. The provisions of this chapter shall control the design of barriers for residential swimming pools spas and hot tubs. These design controls are intended to provide protection against potential drownings and near drownings by restricting access to swimming pools, spas and hot tubs.

AG105.2 Outdoor swimming pool. An outdoor swimming pool, including an in-ground, above-ground or on ground pool, hot tub or spa shall be surrounded by a barrier which shall comply with the following:

1. The top of the barrier shall be at least 48 inches (1219 mm) above grade measured on the side of the barrier which faces away from the swimming pool. The maximum vertical clearance between grade and the bottom of the barrier shall be 2 inches (51mm) measured on the side of the barrier which faces away from the swimming pool. Where the top of the pool structure is above grade, such as an above-ground pool, the barrier may be at ground level, such as the pool structure or mounted on top of the pool structure. Where the barrier is mounted on top of the pool structure, the maximum vertical clearance between the top of the pool structure and the bottom of the barrier shall be 4 inches (102mm).
2. Openings in the barrier shall not allow passage of a 4-inch-diameter (102 mm) sphere.
3. Solid barrier which do not have openings, such as a masonry or stone wall, shall not contain indentations or protrusions except for normal construction tolerances and tooled masonry joints.
4. Where the barrier is composed of horizontal and vertical members and the distance between the tops of the horizontal members is less than 45 inches (1143 mm), the horizontal members shall be located on the swimming pool side of the fence. Spacing between vertical members shall not exceed 1 1/4 inches (44 mm) in width. Where there are decorative cutouts within vertical members, spacing within the cutouts shall not exceed 1 1/4 inches (44 mm) in width.
5. Where the barrier is composed of horizontal and vertical member and the distance between the tops of the horizontal members is 45 inches (1143 mm) or more, spacing between vertical members shall not exceed 4 inches (102 mm). Where there are decorative cutouts within vertical members, spacing with the cutouts shall not exceed 1 1/4 inches (44 mm) in width.
6. Maximum mesh size for chain link fences shall be 2 1/4 inch (57 mm) square unless the fence has slats fastened at the top or the bottom which reduce the opening to not more than 1 1/4 inches (44 mm).
7. Where the barrier is composed of diagonal members, such as a lattice fence, the maximum opening formed by the diagonal members shall not be more than 1 1/4 inches (44 mm).
8. Access gates shall comply with the requirements of Section AG105.2, Items 1

through 7, and shall be equipped to accommodate a locking device. Pedestrian access gates shall open outward away from the pool and shall be self-closing and have a self-latching device. Gates other than pedestrian access gates shall have a self-latching device. Where the release mechanism of the self-latching device is located less than 54 inches (1372 mm) from the bottom of the gate, the release mechanism and openings shall comply with the following:

- 8.1. The release mechanism shall be located on the pool side of the gate at least 3 inches (76 mm) below the top of the gate; and
 - 8.2. The gate and barrier shall have no opening larger than 1/4 inch (13 mm) within 18 inches (457 mm) of the release mechanism.
9. Where a wall of a dwelling serves as part of the barrier, one of the following conditions shall be met:
- 9.1. The pool shall be equipped with a powered safety cover in compliance with ASTM F 1346; or
 - 9.2. Doors with direct access to the pool through that wall shall be equipped with an alarm which produces an audible warning when the door and/or its screen, if present, are opened. The alarm shall be listening accordance with UL 2017. The audible alarm shall activate with 7 seconds and sound continuously for minimum of 30 seconds after the door and/or its screen, if present, are opened and be capable of being heard throughout the house during normal household activities. The alarm shall automatically reset under all conditions. The alarm system shall be equipped with a manual means, such as touch pad or switch, to temporarily deactivate the alarm for a single opening. Deactivation shall be last for not more than 15 seconds. The deactivation switch(es) shall be located at least 54 inches (1372 mm) above the threshold of the door, or Other means of protection, such as self-closing doors with self-latching devices, which are approved by the governing body, shall be acceptable so long as the degree of protection afforded is not less than the protection afforded by Item 9.1 or 9.2 described above.
 - 9.3.
10. Where an above-ground pool structure is used as a barrier or where the barrier is mounted on top of the pool structure, and the means of access is a ladder or steps:
- 10.1. The ladder or steps shall be capable of being secured, locked or removed to prevent access; or
 - 10.2. The ladder or steps shall be surrounded by a barrier which meets the requirement of Section AG105.2, Items 1 through 9. When the ladder or steps are secured, locked or removed, any opening created shall not allow the passage of a 4 - inch diameter (102 mm) sphere.

AG105.3 Indoor swimming pool. Walls surrounding an indoor swimming pool shall comply with Section AG105.2 Item 9.

AG105.4 Prohibited locations. Barriers shall be located to prohibit permanent structures, equipment or similar objects from being used to climb them.

AG105.5 Barrier exceptions. Spas or tubs with a safety cover which complies with ASTM F 1346, as listed in Section AG107, shall be exempt from the provisions of this appendix.

SECTION AG106 ENTRAPMENT PROTECTION FOR SWIMMING POOL AND SPA SUCTION OUTLETS

AG106.1 General. Suction outlets shall be designed to produce circulation throughout the pool or spa. Single-outlet systems, such as automatic vacuum cleaner systems, or multiple suction outlets, whether isolated by valves or otherwise, shall be protected against user entrapment.

AG106.2 Suction fittings. Pool and spa suction outlet shall have a cover that conforms to ANSI/ASME A112.19.8M, or an 18 inch x 23 inch (457 mm by 584mm) drain grate or larger, or an approved channel drain system.

Exception: Surface skimmers.

AG106.3 Atmospheric vacuum relief system required. Pool and spa single-or multiple-outlet circulation systems shall be equipped with atmospheric vacuum relief should grate covers located therein become missing or broken. This vacuum relief system shall include at least one approved or engineered method of the type specific herein, as follows:

1. Safety vacuum release system conforming to ASME A112.19.17; or
2. An approved gravity drainage system

AG106.4 Dual drain separation. Single or multiple pump circulation systems have minimum of two suction outlets of the approved type. A minimum horizontal or vertical distance of 3 feet (914 mm) shall separate the outlets. These suction outlets shall be piped so that water is drawn through them simultaneously through a vacuum-relief protected line to the pump or pumps.

AG106.5 Pool cleaner fittings. Where provided, vacuum or pressure cleaner fitting(s) shall be located in an accessible position(s) at least 6 inches (152 mm) and not more than 12 inches (305 mm) below the minimum operational water level or as an attachment to the skimmer(s).

HOWARD COUNTY AMENDED CODE SECTION R101.2.3 - INTERNATIONAL RESIDENTIAL CODE

R101.2.3 SWIMMING POOLS AND BARRIER REQUIREMENTS.

The requirements of Appendix G shall apply for design and installation of swimming pools and barriers.

EXCEPTION: Alternative devices. A natural barrier, pool cover or other protective device approved by the building official shall be an acceptable enclosure as long as the degree of protective afforded by the substituted device or structures is not less than the protection afforded by the enclosure, gate and latch